

PURIFICATION OF OLIGOMERS

ABSTRACT OF THE DISCLOSURE

Compositions and methods are disclosed which facilitate purification of oligomers and other compounds. The disclosed compositions are silyl compositions that can be directly coupled, or coupled through a linking group, to a compound of interest, preferably to an oligomer at the end of oligomer synthesis. The silicon atom includes between one and three sidechains that function as capture tags. In one embodiment, the capture tags are lipophilic, which allows a derivatized oligomer to be separated from failure sequences by reverse phase chromatography. In another embodiment, the capture tags are compounds with a known affinity for other compounds, which other compounds are preferably associated with a solid support to allow chromatographic separation. Examples include haptens, antibodies, and ligands. Biotin, which can bind to or interact with a streptavidin-bound solid support, is a preferred capture tag of this type.